1.0

PCMCIA GPRS

User's manual

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Introduction

This product is a PCMCIA to GSM/GPRS Card. It provides tri-band EGSM900, GSM1800 and GSM1900 capability to notebook PCs. This product uses GPRS module and Oxford PCMCIA to UART bridge controller.

Chapter 1

Features

Tri-band EGSM900, GSM1800 and GSM 1900

GPRS multi-slot class 10

GPRS mobile station class B

Compliant to GSM phase 2/2+

Control via AT commands

Supports Windows 98SE, Windows 2000, Windows ME, Windows XP

Specifications

Interface:

PCMCIA Interface
- Provide PCMCIA 68pin connector for attachment to PC's.

GPRS Module
- SIM application tool kit
- Tri-band Antenna.

SIM Interface
- Supported SIM card: 3V.
- External SIM card reader.

Audio Interface
- 3 point ear phone jack

Support Data, Voice, SMS and Fax function.:

Data
a. CSD transmission rates: 9.05 , 13.4 , 15.6 , 21.4 kbps.
b. GPRS data downlink transfer: max. 85.6 kbps.
c. GPRS data uplink transfer: max. 42.8 kbps.

d. Coding scheme: CS-1, CS-2, CS-3 and CS-4.
e. Supports the two protocols PAP (Password Authentication Protocol) and CHAP (Challenge Handshake Authentication Protocol) commonly used for PPP connections.
f. Support of Packet Switched Broadcast Control Channel (PBCCH) for enhanced GPRS performance.
g. Unstructured Supplementary Services Data (USSD) support.

Fax

Group 3,Class 2

SMS

a. MT, MO, CB, Text and PDU mode.
b. SMS storage: SIM card plus 25 SMS locations in the mobile equipment.
c. Transmission of SMS alternatively over CSD or GPRS. Preferred mode can be user-defined.

Environmental Operating Ranges

Operation: 0 ~ 55℃, Humidity 10 ~ 95%
Storage: -20 ~ 65℃, Humidity 10 ~ 95%

Power Consumption

Operation max Operation Current: 840mA/5V
Class 4 (2W) at EGSM900
Class 1 (1W) at GSM1800 and GSM 1900

LED Indication

Power LED
Active LED

Driver support

Windows 98SE/2000/ME/XP

2

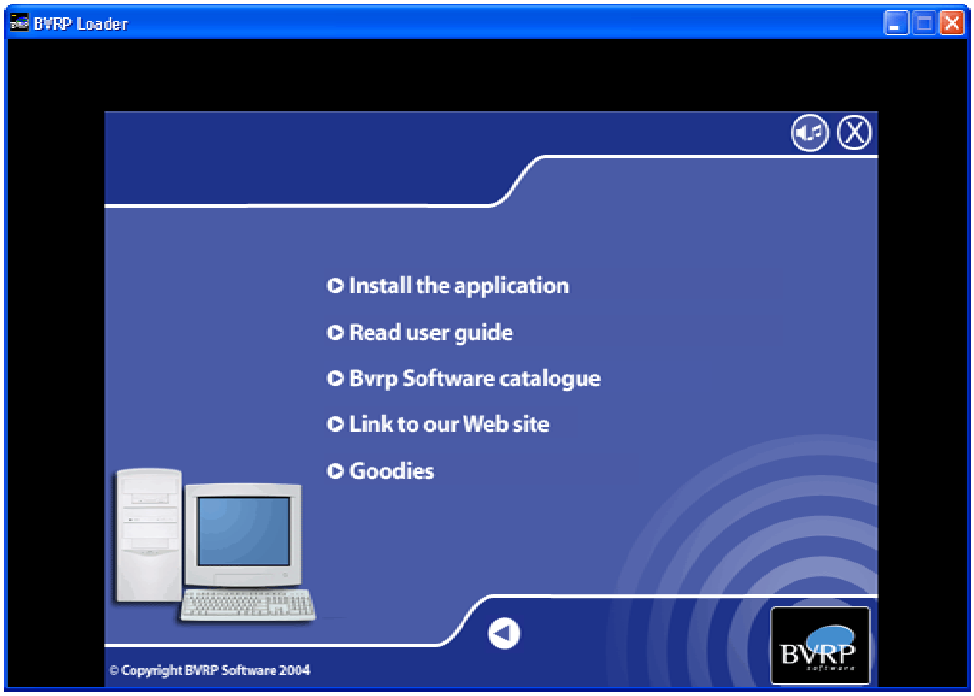
Chapter 2

Install mobile Phone Tools

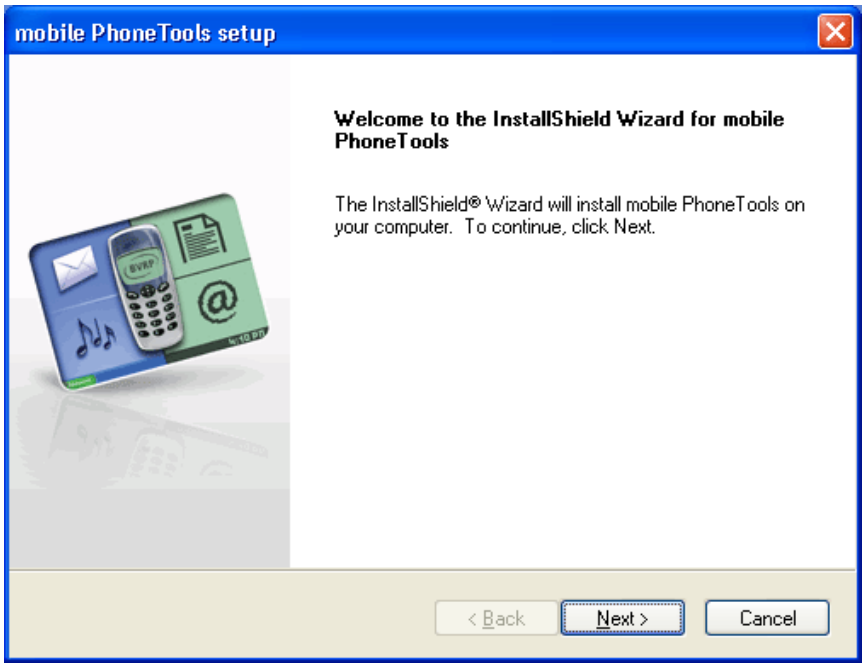
Please install this software, before you insert the PCMCIA GPRS card. You can use Windows Explorer to navigate to the appropriate CD-ROM drive and run **"Setup"**.

1. Select your language.

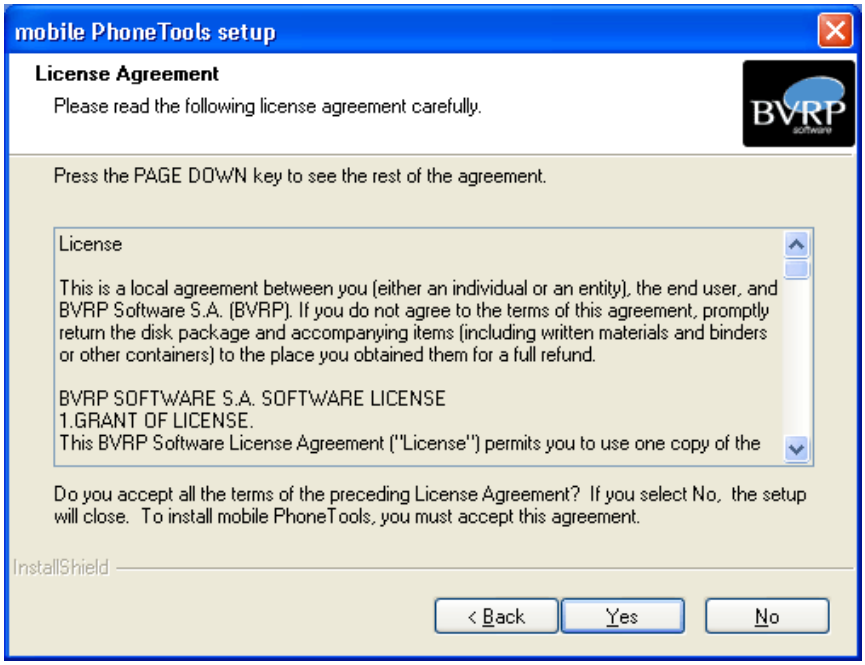
2. Choose “Install the application”.



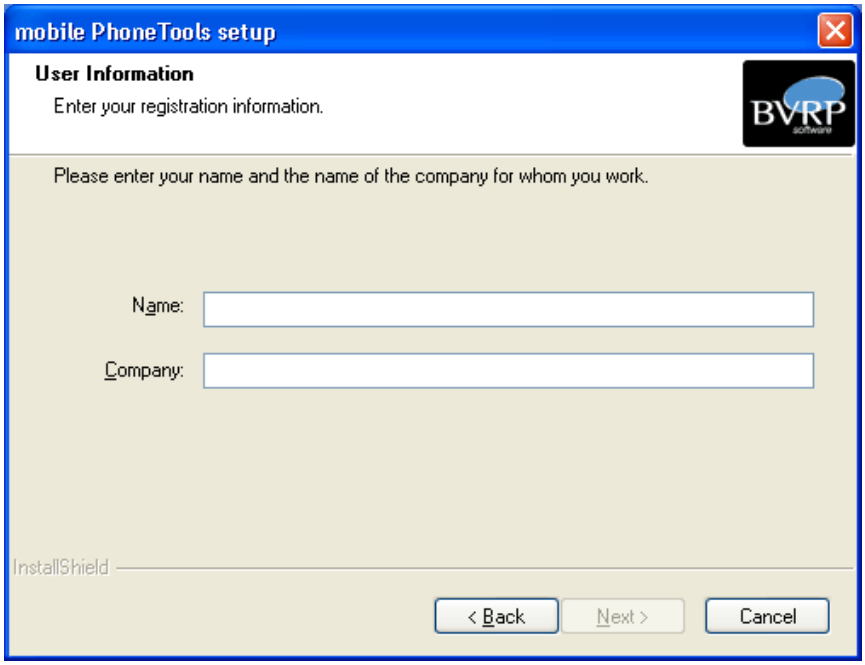
3. On the *Welcome* screen, click the "**Next**" button.


mobile PhoneTools setup
Welcome to the InstallShield Wizard for mobile PhoneTools
The InstallShield® Wizard will install mobile PhoneTools on your computer. To continue, click Next.
< Back
Next >
Cancel

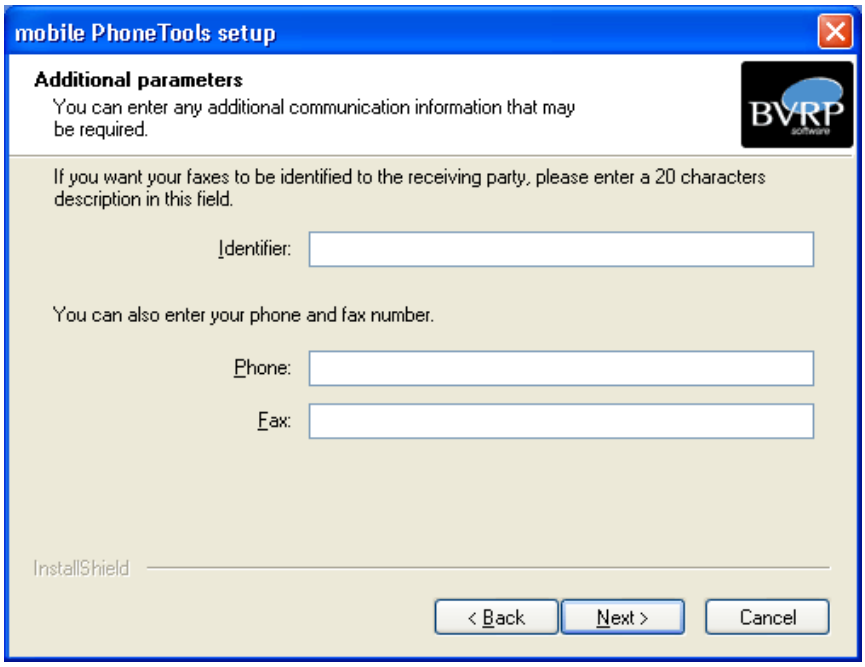
4. When the *License Agreement* screen is displayed, read the License Agreement, then click the "**Yes**" button.


mobile PhoneTools setup
License Agreement
Please read the following license agreement carefully.
BVRP
Press the PAGE DOWN key to see the rest of the agreement.
License
This is a local agreement between you (either an individual or an entity), the end user, and BVRP Software S.A. (BVRP). If you do not agree to the terms of this agreement, promptly return the disk package and accompanying items (including written materials and binders or other containers) to the place you obtained them for a full refund.
BVRP SOFTWARE S.A. SOFTWARE LICENSE
1.GRANT OF LICENSE.
This BVRP Software License Agreement ("License") permits you to use one copy of the
Do you accept all the terms of the preceding License Agreement? If you select No, the setup will close. To install mobile PhoneTools, you must accept this agreement.
InstallShield
< Back
Yes
No

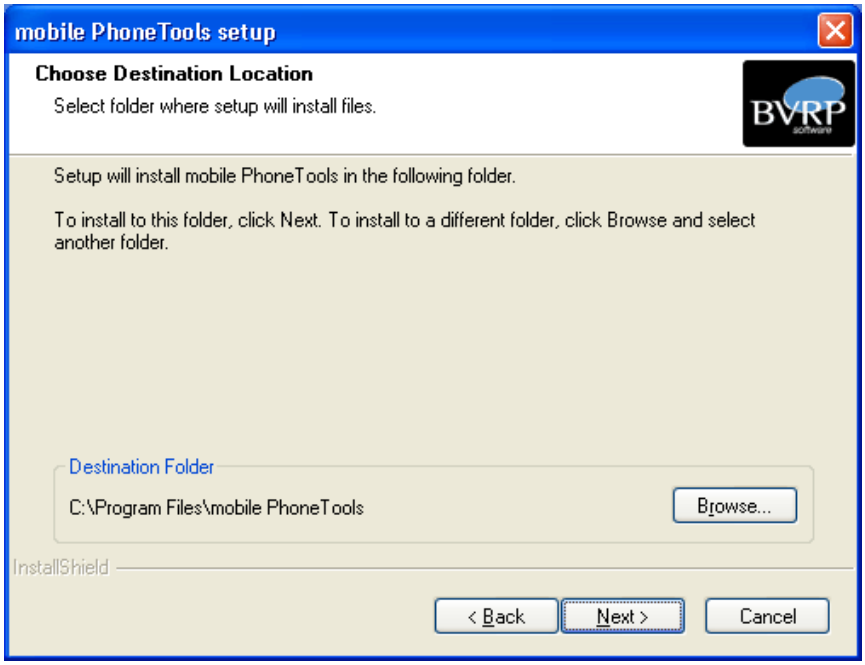
5. Please enter your registration information.



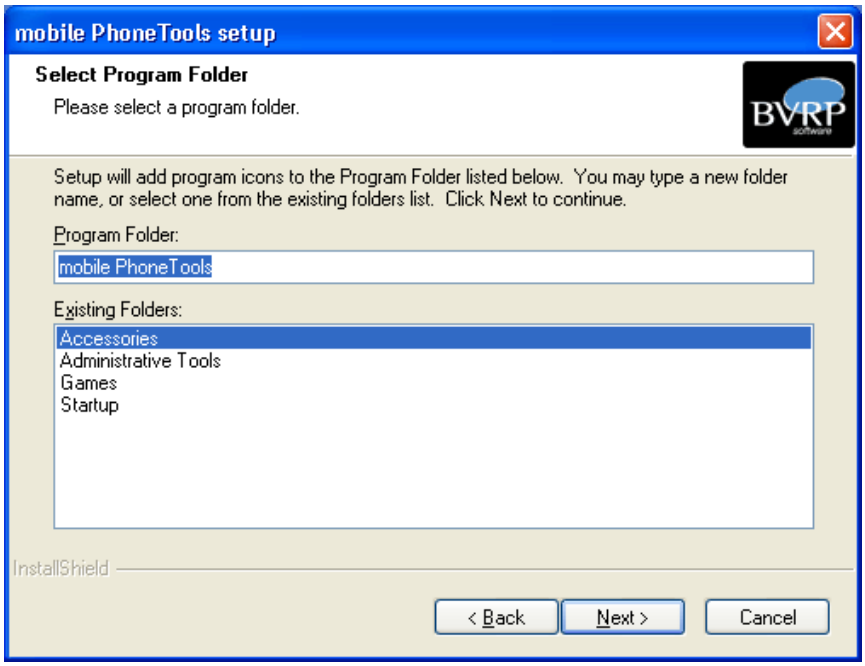
6. You can enter any additional communication information.


mobile PhoneTools setup
Additional parameters
You can enter any additional communication information that may be required.
BVRP
If you want your faxes to be identified to the receiving party, please enter a 20 characters description in this field.
Identifier:
You can also enter your phone and fax number.
Phone:
Fax:
InstallShield
< Back
Next >
Cancel

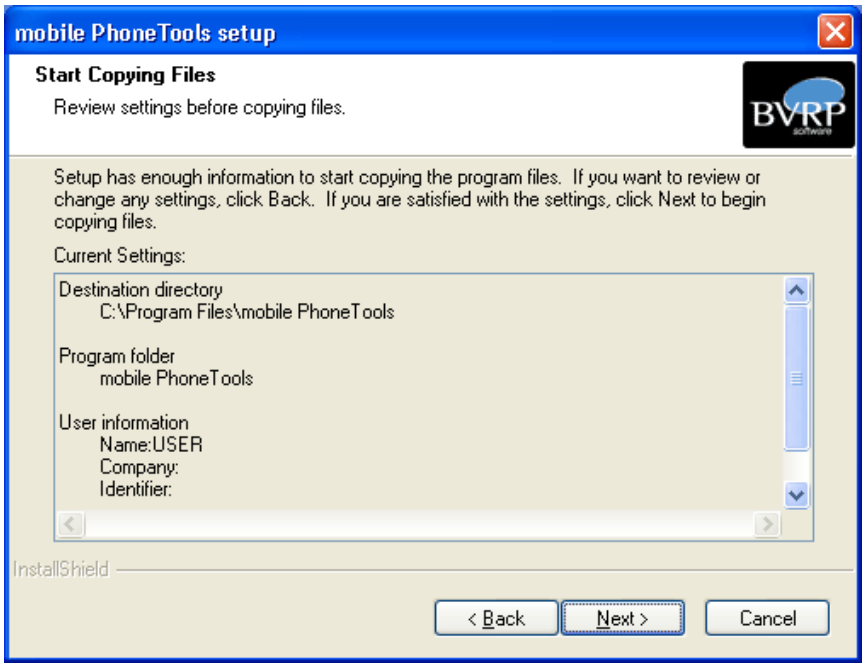
7. You can choose the destination folder in your system, if you do not want to change the destination folder please click "**Next**". On the *Destination Folder* screen, click the **Browse** button to browse to a new destination folder for the Bluetooth software. Otherwise, click the "**Next**" button to accept the default folder.


mobile PhoneTools setup
Choose Destination Location
Select folder where setup will install files.
BVRP
Setup will install mobile PhoneTools in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\mobile PhoneTools
Browse...
InstallShield
< Back
Next >
Cancel

8. Please click the “**Next**“ button to use default folder.



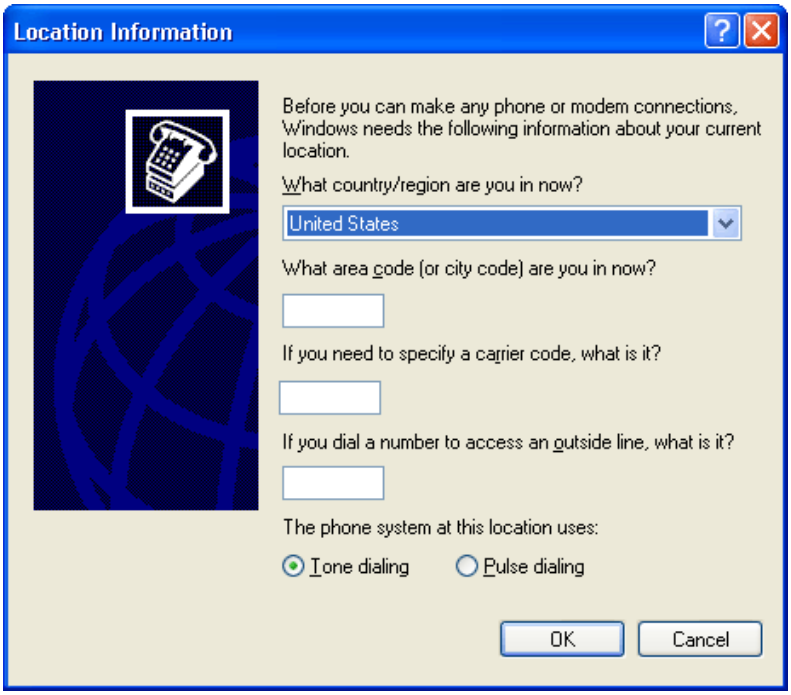
9. Please click the “**Next**“ button.


mobile PhoneTools setup
Start Copying Files
Review settings before copying files.
BVRP
Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files.
Current Settings:
Destination directory
C:\Program Files\mobile PhoneTools
Program folder
mobile PhoneTools
User information
Name:USER
Company:
Identifier:
InstallShield
< Back
Next >
Cancel

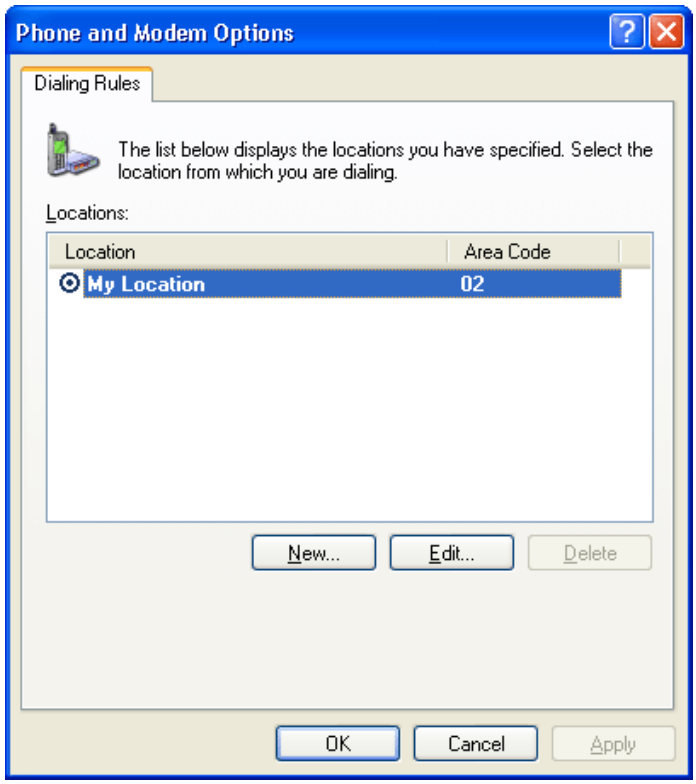
10. Please click the "**Finish**" button.

mobile PhoneTools setup
Setup Complete
Setup has finished installing mobile PhoneTools on your computer.
Automatically run mobile PhoneTools.
Click Finish to complete Setup.
Add a shortcut to the desktop to start the program.
< Back
Finish

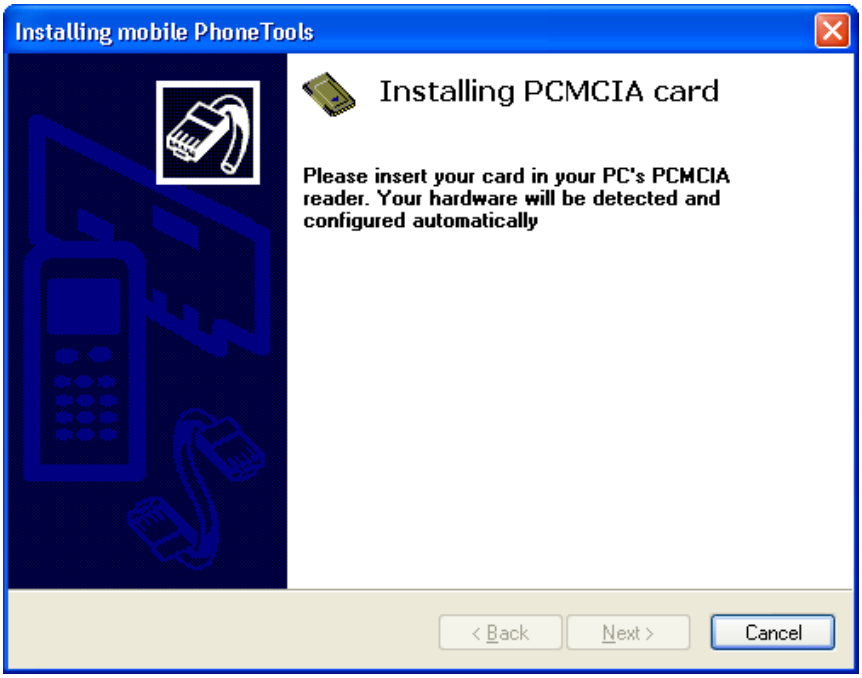
11. Please enter your location information.


Location Information
Before you can make any phone or modem connections, Windows needs the following information about your current location.
What country/region are you in now?
United States
What area code (or city code) are you in now?
If you need to specify a carrier code, what is it?
If you dial a number to access an outside line, what is it?
The phone system at this location uses:
Tone dialing
Pulse dialing
OK
Cancel

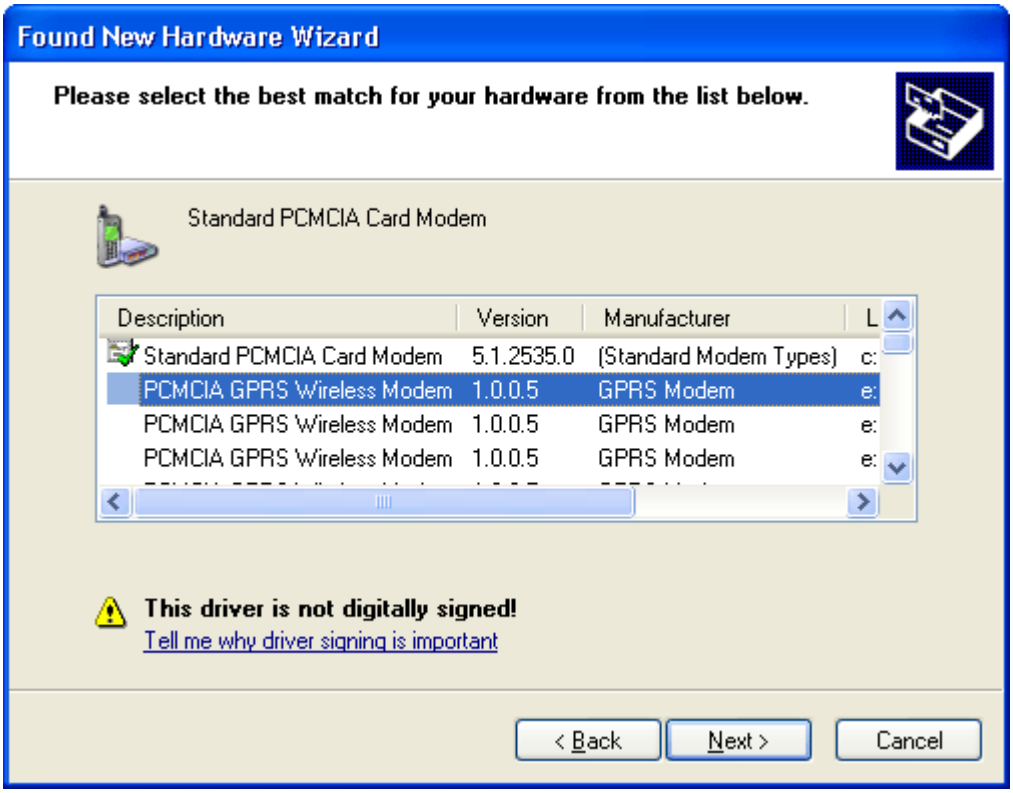
12. The setting was been established.



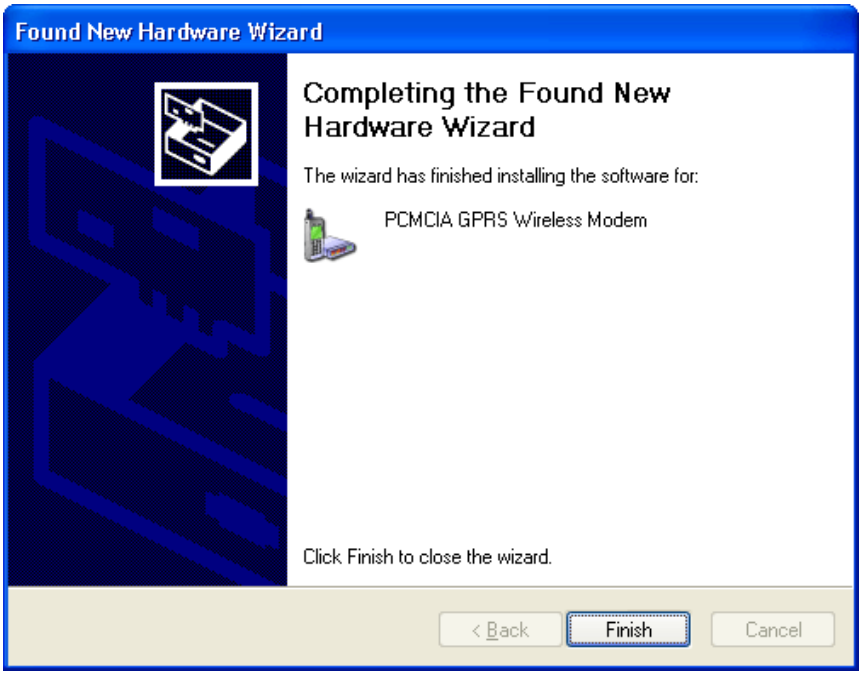
13. Please insert your PCMCIA card in your computer.


Installing mobile PhoneTools
Installing PCMCIA card
Please insert your card in your PC's PCMCIA reader. Your hardware will be detected and configured automatically
< Back
Next >
Cancel

12. System will find driver for the device. Choose "**PCMCIA GPRS Wireless Modem**", and click the "**Next**" button.


Found New Hardware Wizard
Please select the best match for your hardware from the list below.
Standard PCMCIA Card Modem
Description
Version
Manufacturer
Standard PCMCIA Card Modem 5.1.2535.0 (Standard Modem Types)
PCMCIA GPRS Wireless Modem 1.0.0.5 GPRS Modem
PCMCIA GPRS Wireless Modem 1.0.0.5 GPRS Modem
PCMCIA GPRS Wireless Modem 1.0.0.5 GPRS Modem
This driver is not digitally signed!
Tell me why driver signing is important
< Back
Next >
Cancel

13. Please click the "**Finish**" button to complete installation.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
PCMCIA GPRS Wireless Modem
Click Finish to close the wizard.
< Back
Finish
Cancel